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**Linear Algebras.** By L. E. DICKSON. Cambridge: The University Press.  
Pp. 73. 3/- net.

This is number 16 of the *Cambridge Tracts in Mathematics and Mathematical Physics* and forms a good introduction to the general theory of linear algebras. The exposition follows that of Cartan rather than that of Molieu, Wedderburn, or Frobenius. It is an important addition to this splendid series of tracts.

**A Treatise on Analytic Geometry of Three Dimensions.** By GEORGE SALMON. Fifth Edition, Vol. II. Edited by REGINALD A. P. ROGERS. London: Longmans, Green and Company. Pp. 334. \$2.25.

This volume completes the new edition of Salmon's well-known work and will be welcome to all students of advanced analytic geometry. The two volumes together form a very comprehensive algebraic and differential treatment of the subject.

The chief changes from the fourth edition consist in the addition of new articles and the rewriting of some of the old ones. In Chapter XIII. there has been added a good deal of new matter dealing with rectilinear complexes and rectilinear congruences in which Mr. Robert Russell assisted. Chapters XV. and XVI. on the cubic and quartic surfaces have been revised and enlarged, in which Mr. G. R. Webb assisted. Chapter XVII. on the general theory of surfaces has been much revised and enlarged with the help of Miss Hilda Hudson.

**Complete Atlas of the World.** New York: L. L. Poates and Company.  
Pp. 233. \$1.50.

Besides splendid maps of all the countries of the world this volume contains maps of all the states and territories of the United States. There is appended a list of the counties of each state together with the principal cities and their population, and finally a list of the important cities of the world. It is a good piece of atlas making.

**Tables and Formulas.** Revised Edition. By W. R. LONGLEY. Boston: Ginn and Company. Pp. 36. 50 cents.

**Pollyanna Grown Up.** By ELENOR H. PORTER. Boston: The Page Company. \$1.25 net.

The second *glad book* is just as charming as the first. Pollyanna growing up is just as refreshing as Pollyanna as a little girl. Several of the same characters appear again and these, with new ones, all come under the influence of Pollyanna and play the *game*.